

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/010930

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01M8/02 H01M8/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/23645 A (H POWER ENTERPRISES OF CANADA INC; CONDEESCU, ADRIAN; ROBERGE, RAYMOND) 21 March 2002 (2002-03-21)	1-4, 12-14
Y	page 4, line 34 - page 7, line 36; figures 7-9	10,11
Y	US 5 578 388 A (FAITA ET AL) 26 November 1996 (1996-11-26) cited in the application column 10, lines 1-5; figure 5 column 4, line 66 - column 5, line 10 ----- -/--	10,11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

31 August 2005

Date of mailing of the international search report

08/09/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fitzpatrick, J

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/010930

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/70698 A (DE NORA FUEL CELLS S.P.A; MAZZUCCHELLI, GABRIELE; BRAMBILLA, MASSIMO;) 23 November 2000 (2000-11-23) figures 1,5 page 13, lines 16-19 page 14, lines 5-15 examples 1-3	10,11
A	US 4 279 731 A (PELLEGRI ET AL) 21 July 1981 (1981-07-21) column 6, line 59 - column 7, line 19	1-4,9,10
A	US 3 589 942 A (FRANK B. LEITZ JR ET AL) 29 June 1971 (1971-06-29) column 3, lines 12-43; figure 2	1-4, 12-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/010930

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0223645	A	21-03-2002	AU 9353601 A WO 0223645 A2	26-03-2002 21-03-2002
US 5578388	A	26-11-1996	IT 1270878 B AT 210339 T AU 674931 B2 AU 6054194 A BR 9401641 A CA 2121455 A1 CN 1108005 A ,C CZ 9400986 A3 DE 69429304 D1 DE 69429304 T2 DK 629015 T3 EP 0629015 A1 ES 2169050 T3 FI 941932 A JP 2953555 B2 JP 6349508 A RU 2126569 C1 SK 50694 A3 US 5482792 A US 5565072 A	13-05-1997 15-12-2001 16-01-1997 03-11-1994 22-11-1994 31-10-1994 06-09-1995 19-10-1994 17-01-2002 24-10-2002 02-04-2002 14-12-1994 01-07-2002 31-10-1994 27-09-1999 22-12-1994 20-02-1999 09-11-1994 09-01-1996 15-10-1996
WO 0070698	A	23-11-2000	IT MI991090 A1 AU 5213700 A BR 0010626 A CA 2368949 A1 CN 1351769 A ,C WO 0070698 A1 EP 1181730 A1 JP 2003500802 T TW 456065 B US 6737183 B1	20-11-2000 05-12-2000 19-02-2002 23-11-2000 29-05-2002 23-11-2000 27-02-2002 07-01-2003 21-09-2001 18-05-2004
US 4279731	A	21-07-1981	IT 1163737 B AR 227296 A1 AT 44554 T AU 532517 B2 AU 6479780 A BR 8007570 A CA 1169808 A1 CS 223889 B2 DD 154831 A5 DE 3072159 D1 EP 0031897 A2 EP 0111149 A1 ES 8201638 A1 ES 8300144 A1 FI 803655 A ,B, HU 183256 B JP 1301957 C JP 57203783 A JP 60024186 B JP 1372372 C JP 61037355 B JP 61096093 A JP 1592189 C	08-04-1987 15-10-1982 15-07-1989 06-10-1983 02-07-1981 02-06-1981 26-06-1984 25-11-1983 21-04-1982 17-08-1989 15-07-1981 20-06-1984 16-03-1982 01-01-1983 30-05-1981 28-04-1984 14-02-1986 14-12-1982 11-06-1985 07-04-1987 23-08-1986 14-05-1986 14-12-1990

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/010930

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4279731	A	JP 56102586 A	17-08-1981
		JP 63015354 B	04-04-1988
		MX 148530 A	29-04-1983
		NO 803330 A ,B,	01-06-1981
		PL 228167 A1	18-09-1981
		RO 81392 A1	29-04-1983
		SU 1126210 A3	23-11-1984
		US 4417960 A	29-11-1983
		US 4389298 A	21-06-1983
		US 4425214 A	10-01-1984
		US 4518113 A	21-05-1985
		YU 302380 A1	28-02-1983
		ZA 8006648 A	25-11-1981

US 3589942	A	29-06-1971	NONE
